<u>Listing of the Claims</u>:

Claim 1 (Canceled).

Claim 2 (Currently Amended): The circuitry in accordance with claim ~~1~~ 3,
wherein said position controller calculates periods of the periodic signal data sequences
saved in said past data saving circuit and selects, among the periods calculated, a
waveform period having highest periodicity as a width of the segment to be used.

Claim 3 (Currently amended): ~~The~~ Compensating circuitry ~~in accordance with~~
~~claim 1~~ for substituting for erased periodic signal data periodic signal data input before
the erased periodic signal data, comprising:

a past data saving circuit configured to save a predetermined number of latest
periodic signal data input;

a decision circuit configured to determine whether or not an erasure occurs with
every periodic signal data sequence, which is a unit of processing;

a substituting circuit configured to use, when an erasure occurs, a periodic signal
data sequence lying in a predetermined segment to be used among periodic signal data
sequences saved in said past data saving circuit, to generate synthetic data for
substitution; and

a position controller configured to determine, when the erasure has occurred over
a plurality of units of processing, a position of the segment to be used such that the
position varies for each of the units of processing,

said position controller ~~calculates~~ calculating periods of the periodic signal data

-2-

sequences saved in said past data saving circuit and ~~selects~~ selecting, among the periods

calculated, a period shorter than a width of the segment to be used as an index for varying

the segment for every processing frame.

Claim 4 (Currently Amended): ~~The~~ Compensating circuitry ~~in accordance with~~

~~claim 1, wherein~~ for substituting for erased periodic signal data periodic signal data input

before the erased periodic signal data, comprising:

a past data saving circuit configured to save a predetermined number of latest

periodic signal data input;

a decision circuit configured to determine whether or not an erasure occurs with

every periodic signal data sequence, which is a unit of processing;

a substituting circuit configured to use, when an erasure occurs, a periodic signal

data sequence lying in a predetermined segment to be used among periodic signal data

sequences saved in said past data saving circuit, to generate synthetic data for

substitution; and

a position controller configured to determine, when the erasure has occurred over

a plurality of units of processing, a position of the segment to be used such that the

position varies for each of the units of processing,

said position controller sequentially ~~shifts~~ shifting the position of the segment to

be used from a newest periodic signal data sequence toward an oldest periodic signal data

sequence saved in said past data saving circuit and ~~determines~~ determining, when the

segment cannot be further shifted toward the oldest period signal data sequence, the

segment at a position adjacent to the oldest periodic signal data sequence.

-3-

(10/553,905)

Claim 5 (Currently Amended): ~~The~~ Compensating circuitry ~~in accordance with~~ ~~claim 1, wherein~~ for substituting for erased periodic signal data periodic signal data input before the erased periodic signal data, comprising:

a past data saving circuit configured to save a predetermined number of latest periodic signal data input;

a decision circuit configured to determine whether or not an erasure occurs with every periodic signal data sequence, which is a unit of processing;

a substituting circuit configured to use, when an erasure occurs, a periodic signal data sequence lying in a predetermined segment to be used among periodic signal data sequences saved in said past data saving circuit, to generate synthetic data for substitution; and

a position controller configured to determine, when the erasure has occurred over a plurality of units of processing, a position of the segment to be used such that the position varies for each of the units of processing,

said position controller sequentially ~~shifts~~ shifting the position of the segment to be used from a newest periodic signal data sequence toward an oldest periodic signal data sequence saved in said past data saving circuit, again sequentially ~~shifts~~ shifting, when the segment cannot be further shifted toward the oldest period signal data sequence, the segment from the newest periodic signal data sequence toward the oldest period signal data sequence, and ~~repeats~~ repeating a variation effected by a shift so long as the erasure continues.

(10/553,905)

Claim 6 (Currently Amended): ~~The~~ Compensating circuitry ~~in accordance with claim 1, wherein~~ for substituting for erased periodic signal data periodic signal data input before the erased periodic signal data, comprising:

a past data saving circuit configured to save a predetermined number of latest periodic signal data input;

a decision circuit configured to determine whether or not an erasure occurs with every periodic signal data sequence, which is a unit of processing;

a substituting circuit configured to use, when an erasure occurs, a periodic signal data sequence lying in a predetermined segment to be used among periodic signal data sequences saved in said past data saving circuit, to generate synthetic data for substitution; and

a position controller configured to determine, when the erasure has occurred over a plurality of units of processing, a position of the segment to be used such that the position varies for each of the units of processing,

said position controller sequentially ~~shifts~~ shifting the position of the segment to be used from a newest periodic signal data sequence toward an oldest periodic signal data sequence saved in said past data saving circuit, sequentially ~~shifts~~ shifting, when the segment cannot be further shifted toward the oldest period signal data sequence, the segment from the oldest periodic signal data sequence toward the newest period signal data sequence, sequentially ~~shifts~~ shifting, when the segment cannot be further shifted toward the newest periodic signal data sequence, the segment from the newest periodic signal data sequence toward the oldest periodic signal data sequence, and ~~repeats~~ repeating a variation effected by a shift so long as the erasure continues.

-5-

Claim 7 (Currently Amended): The circuitry in accordance with claim ~~1~~ 3, wherein the periodic signal comprises a speech signal.

Claim 8 (Canceled).

Claim 9 (Currently Amended): The method in accordance with claim ~~8~~ 10, wherein said position controlling step calculates periods of the periodic signal data sequences saved in said past data saving step and selects, among the periods calculated, a waveform period having highest periodicity as a width of the segment to be used.

Claim 10 (Currently Amended): ~~The~~ A compensating method ~~in accordance with claim 8,~~ for substituting for erased periodic signal data periodic signal data input before the erased periodic signal data, comprising:

a past data saving step of saving a predetermined number of latest periodic signal data input;

a deciding step of determining whether or not erasure occurs with every periodic signal data sequence, which is a unit of processing;

a substituting step of using, when an erasure occurs, among periodic signal data sequences saved in said past data saving step, a periodic signal data sequence lying in a predetermined segment to be used to generate data for substitution; and

a position controlling step of determining, when the erasure has occurred over a plurality of units of processing, a position of the segment to be used such that the position varies for each of the units of processing,

-6-

said position controlling step ~~calculates~~ calculating periods of the periodic signal

data sequences saved in said past data saving step and ~~selects~~ selecting, among the

periods calculated, a period shorter than a width of the segment to be used as an index for

varying the segment for every processing frame.

Claim 11 (Currently Amended): ~~The~~ A compensating method ~~in accordance with~~

~~claim 8, wherein~~ for substituting for erased periodic signal data periodic signal data input

before the erased periodic signal data, comprising:

a past data saving step of saving a predetermined number of latest periodic signal

data input;

a deciding step of determining whether or not erasure occurs with every periodic

signal data sequence, which is a unit of processing;

a substituting step of using, when an erasure occurs, among periodic signal data

sequences saved in said past data saving step, a periodic signal data sequence lying in a

predetermined segment to be used to generate data for substitution; and

a position controlling step of determining, when the erasure has occurred over a

plurality of units of processing, a position of the segment to be used such that the position

varies for each of the units of processing,

said position controlling step sequentially ~~shifts~~ shifting the position of the

segment to be used from a newest periodic signal data sequence toward an oldest periodic

signal data sequence saved in said past data saving step and ~~determines~~ determining,

when the segment cannot be further shifted toward the oldest period signal data sequence,

the segment at a position adjacent to the oldest periodic signal data sequence.

Claim 12 (Currently Amended): ~~The~~ A compensating method ~~in accordance with~~ ~~claim 8, wherein~~ for substituting for erased periodic signal data periodic signal data input before the erased periodic signal data, comprising:

a past data saving step of saving a predetermined number of latest periodic signal data input;

a deciding step of determining whether or not erasure occurs with every periodic signal data sequence, which is a unit of processing;

a substituting step of using, when an erasure occurs, among periodic signal data sequences saved in said past data saving step, a periodic signal data sequence lying in a predetermined segment to be used to generate data for substitution; and

a position controlling step of determining, when the erasure has occurred over a plurality of units of processing, a position of the segment to be used such that the position varies for each of the units of processing,

said position controlling step sequentially ~~shifts~~ shifting the position of the segment to be used from a newest periodic signal data sequence toward an oldest periodic signal data sequence saved in said past data saving step, again sequentially ~~shifts~~ shifting, when the segment cannot be further shifted toward the oldest period signal data sequence, the segment from the newest periodic signal data sequence toward the oldest period signal data sequence, and ~~repeats~~ repeating a variation effected by a shift so long as the erasure continues.

Claim 13 (Currently Amended): ~~The~~ A compensating method ~~in accordance with~~ ~~claim 8, wherein~~ for substituting for erased periodic signal data periodic signal data input

-8-

before the erased periodic signal data, comprising:

a past data saving step of saving a predetermined number of latest periodic signal data input;

a deciding step of determining whether or not erasure occurs with every periodic signal data sequence, which is a unit of processing;

a substituting step of using, when an erasure occurs, among periodic signal data sequences saved in said past data saving step, a periodic signal data sequence lying in a predetermined segment to be used to generate data for substitution; and

a position controlling step of determining, when the erasure has occurred over a plurality of units of processing, a position of the segment to be used such that the position varies for each of the units of processing,

said position controlling step sequentially ~~shifts~~ shifting the position of the segment to be used from a newest periodic signal data sequence toward an oldest periodic signal data sequence saved in said past data saving step, sequentially ~~shifts~~ shifting, when the segment cannot be further shifted toward the oldest period signal data sequence, the segment from the oldest periodic signal data sequence toward the newest period signal data sequence, sequentially ~~shifts~~ shifting, when the segment cannot be further shifted toward the newest periodic signal data sequence, the segment from the newest periodic signal data sequence toward the oldest periodic signal data sequence, and ~~repeats~~ repeating a variation effected by a shift so long as erasure continues.

Claim 14 (Currently Amended): The method in accordance with claim ~~8~~ 10, wherein the periodic signal comprises a speech signal.

-9-